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MAY 7, 1890.

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OUR 27TH YEAR.

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"For twenty years, during autumn and winter, I had a bad cough. Last October it was much worse, being attended with hemorrhage of the lungs, so that part of the time, I had to keep my bed. Being advised to try Ayer's Cherry Pectoral, I began to use it, and by the middle of March, having taken about four bottles of the medicine, my cough was cured."—Henry Kesser, Milington, Tenn.

"Six years ago, while a traveling salesman, I was suffering from lung trouble. For months I was unable to sleep in any restful posture. I had frequent coughing and choking spells, and was often compelled to seek the open air for relief. I was induced to try Ayer's Cherry Pectoral, which immediately helped me. Its continued use has entirely cured me, and I believe has saved my life."—Alonzo P. Daggett, Smyrna Mills, Me.

"Ayer's Cherry Pectoral cured my wife of a severe lung affection, which we supposed to be quick consumption. We now regard this medicine as a household necessity."—W. H. Strickle, Terre Haute, Ind.

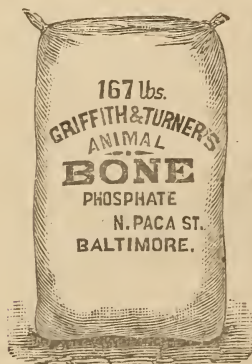
"In April last I was afflicted with a bad cough, and felt uneasy about it, fearing it might terminate in consumption. I tried several kinds of cough remedies; but nothing seemed to help me until I procured a bottle of Ayer's Cherry Pectoral, which gave me relief at once, and by using less than two bottles, I was able to resume my work."—Jarvis Day. "I hereby certify that the above statement is true in every particular."—M. Shaw, Hartland, N. B.

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AND NEW FARM.

Vol. XXVII.

BALTIMORE, May 7, 1890.

No. 19.

THE MARYLAND FARMER

SUSTAINED.

It pleases us to know that the State Temperance Alliance, last week, after reading the account in the Maryland Farmer of the action of the Board of Managers of the Baltimore County Agricultural Society, adopted our views without hesitation and formulated them in a strong resolution, which was passed unanimously by that large and influential body of citizens. We give the resolution to our readers as follows:

"That we have no words with which to voice our indignant protest against the recent action of the board of managers of the Baltimore county fair recommending the secretary to contract for liquor privileges, pool-selling, wheels of fortune, etc., as being calculated to produce income.

That such action should be taken with but one dissenting voice is truly alarming, and may be regarded as the first baleful fruits of our recent high-license-for-revenue discussions. We urge the people of Baltimore county and city to protest against this action, and if the managers do not recede from this position, we pledge ourselves to withhold our patronage and do all we can to rebuke this outrageous insult to a Christian Community."

The above was heartily seconded by the officers of the Alliance distributing several hundred copies of the Maryland Farmer extra, containing our last weeks' account and condemnation of the proposals of the Fair managers.

We propose to distribute thousands of these Extras throughout the State and especially in Baltimore County, and we desire those interested to send us the names of earnest wide awake farmers who

care for the welfare of their homes, to whom we may send.

Let the Board of Managers at their next meeting, May, 21, begin to realize the important mistake they have made. We give below the names and address of the Board of Managers, and hope the friends of temperance and good order will address them with postal cards or letters requesting them to reverse their previous action.

If these things are reversed, then let the friends show their willingness to work heartily to make the fair truly successful in every respect. But if the managers insist upon their present unwise course, then let us resolve that we will leave no stone unturned to keep every honest, respectable person away from Timonium next September.

If they put in their strongest invitations for the patronage of gamblers and drunkards, let decent people give it a wide birth. If they would have a class of law abiding, sober, industrious citizens there, every one will give them a hearty support.

The following are the members of the Board of Managers :

D. M. Matthews, Dulaney's Valley, Md.

President.

W. S. Powell, Mt. Washington. *Treas'r.*

C. Lyon Rogers, Mt. Wilson.

W. H. Wight, Cockeysville.

Sam'l. C. Crocker, Baltimore, North st.

D. H. Rice, Towson.

Alex. McCormick, Jr., Towson.

Wm. Hopps, Buchanan's Whf., Balto.

Wm. B. Cockey, Pikesville.

Jno. C. Bosley, Shawan.

Wm. Fell Johnson, Brooklandville.

W. Jeff. Shanklin, Lock Raven.

H. C. Longnecker, Towson. *Sec'y.*

The Towson Legion has passed stirring resolutions endorsing the position of the

Maryland Farmer as to the County Fair.

Still it works.—*Ed. M. F.*

The directors of the Baltimore County Agricultural Society have instructed their Secretary to contract for the privilege on the fair grounds of selling liquor, pool-selling, wheels of fortune, &c. This may add to the receipts of the fair but it is not likely to improve the morals of the rising generation who attend it.—*Belair Aegis.*

The following resolutions in reference to the action of the Managers of the Baltimore County Agricultural Society are published :

"*Resolved*, By the Quarterly Conference of Hereford Circuit M. E. Church, that we hereby express our disapprobation and unfeigned condemnation of said action, and urge the Christian and moral sentiment of the county, and especially of our Circuit, to withdraw their sympathy and support from the society.

Resolved, That we request all religious and other bodies to take similar action."

We hope each individual church in Baltimore County will adopt similar resolutions until the action is rescinded.—*Ed. M. F.*

The thousands of extras of the Maryland Farmer distributed through Baltimore County are having their effect. We are pleased to take the following from the *Baltimore Sun* :

OPPOSED TO LIQUOR AND POOL-SELLING.

The action of the board of directors of the Baltimore County Agricultural Society in favor of selling liquor and permitting pool-selling at the county fair to be held at Timonium the coming fall is being vigorously criticised by the farmers of the county. At a meeting last Saturday of the Senior Gunpowder Agricultural Club, of which Col. Franklin Edward Austen,

Samuel M. Price, L. M. Bacon and John Crowther, Jr., cashier of Towson Bank, are members, a resolution was passed condemning such action of the county fair directors, and declaring that the fair had better be closed than supported by such means.

MORE ABOUT THE FAIR.

Editor of Md. Farmer:

Your remarks in your last issue regarding the resolution of the Managers of the Baltimore County Fair will surely meet the approval of your readers, especially of those who are not drunkards or supporters of such immoral practices as they propose to license.

If Fairs intended to promote the interests of the farmer cannot be made to pay without licensing such cut-throat rascals as are usually found running pool-shops, wheels of fortune, sweat tables, thimble riggers, and other illegal and thievish games to rob the unsuspecting, young and old, the sooner they are stopped the better.

Horse-racing is bad enough; but when a board of managers sets law, honesty, morality aside and permits a low, degraded set of whisky shops, gambling hells and pool shops to occupy the ground for the sake of the money they are willing to pay for it, I hope the officers whose duty it is to enforce the law, at the first turn of the wheel, or the bet on the sweat table, or any other gambling device, will arrest the party and have committed for trial.

No board of managers have any moral or legal right to grant such privileges, and thereby prove virtually an indirect agent of rascality; for that is the mildest term to apply to parties usually found running these stands and robbing the ignorant.

If the thousands of dollars spent in giving big premiums for horse-racing—while paper certificates are all that can be

offered for valuable farming implements—were stopped, it would not need the money they hope to raise by licensing the free sale of rum and gambling in all its hideous forms. It is to be hoped if these are granted no respectable man or woman will visit the Fair. It will be the moral and legal duty of the county officers to arrest every violator of the law the first moment of its violation, notwithstanding the sanction of it by the board of managers.

With equal respect for the law they could license a disreputable house to be run by lewd women, secret vulgar exhibitions and many other such places as are run by the same class of characters as run pool-rooms, policy-shops, faro-tables, selling ten dollar notes for ten or twenty cents, etc., etc.

Rock Hall, Md.

A. P. S.

WEBSTER'S DICTIONARY

Oh, how cheap!

Street & Smith, publishers of the New York Weekly, authorize us to offer to our subscribers who pay one year in advance, or, who send us one new subscriber—sending \$3 in addition—\$4 in all—3 months of the New York Weekly and Webster's large Dictionary, 8 by 10½ by 4 inches weight 9 pounds. Every reader of this should have a copy of this Dictionary, the regular price of which is \$12.00. A great opportunity. Address Maryland Farmer.

Consumption Surely Cured.

To the Editor:—Please inform your readers that I have a positive remedy for consumption. By its timely use thousands of hopeless cases have been permanently cured. I shall be glad to send two bottles of my remedy FREE to any of your readers who have consumption if they will send me their Express and P. O. Address. Respectfully, T. A. SLOCUM, M. C., 181 Pearl St., N. Y.

Entered as second class matter at Baltimore, Md.

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AND
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LEGISLATIVE COMMITTEE

NATIONAL GRANGE.

The just and practical demands of these representatives of the great farming interests should have the hearty co-operation of farmers everywhere.

We want that protection for farmers which will place them on their feet, and we want this taken away from those industries which have built up millionaires in the land at the expense of the farmers.

We want honest food products, we want trusts broken up, we want gambling in farm supplies stopped, we want hard money and plenty of it, we want no room left for doubling up interests by capitalists,

we do not want Wall street to rule Congress.

Help the legislative Committee of the National Grange in their efforts to carry forward this work.

FINE TILTH.

The success of the crop often depends upon this preliminary work. Put the ground in the very best order by thoroughly fining it. Five harrowings, if the soil is at all lumpy, will pay much better than one. The most successful cultivator leaves no lump even as large as a pea in his garden. What is good for the garden is good also for the field. A mellow deep soil in a condition of thorough fineness, even if only moderately fertilized, is much better than a coarse, lumpy soil though saturated with manure. Work pays in the final summing up every time.

GOOD SEED.

A vast difference is between the poorest and the best seed. No matter what crop you are growing the best seed is what you want. You may pay 50 cts., or \$1.00 more for your seed on the acre; but at the end of the season, with no more expenditure of labor, perhaps with less labor, the income is from \$10 to \$20 better. This alone will often decide the matter of the success or failure of a crop; and doing this, tell your neighbors whether you are a real farmer or only a machine to go over the land. Brains must work as well as the body. Both are necessary; but let brains be on top.

"WITHOUT SENTIMENT."

These are words used in the report recommending the sale of liquor privileges,

pools, wheels of fortunes, etc., on the Baltimore County Fair Grounds.

We wish to know what the committee mean by these words? Do they mean that those who want the Fair conducted with reasonable regard to sobriety, morality and decency are mere sentimentalists? of no account practically? or, do they mean, that they propose these disgraceful things, in defiance of all moral sentiment—they recommend them without regard to their vicious character—they will sanction them no matter how strong the people may oppose them? no matter how far the sentiment of the community is against them? We cannot give any other meaning to these words. If they have any other meaning, let us hear from the author of the report what it is.

"Without sentiment," they "recommend that the Secretary be instructed to contract for liquor privilege," etc. Do they mean that they must divest themselves of every sentiment of an honest manhood before they can do this vile thing? It looks as if that was about the meaning. We think the managers did it pretty effectually, when, with only one dissenting voice, they adopted that report.

ABSENTEES OF THAT MEETING.

The following members of the Board of Managers of the Baltimore Co., Fair were not present when the Secretary was instructed to contract for rumselling and gambling privileges on the Fair Grounds: C. Lyon Rogers, Wm. Hopps, John C. Bosley.

One man also among those present was morally strong enough to vote against this vile proposition. All honor to that man. We have not thus far been able to obtain his name.

OUR AGRICULTURAL COLLEGE and OUR EXPERIMENTAL STATION and POLITICS.

We propose to discuss this question in a future number and to show why we think these important institutions, designed to benefit the farmers, should not be made any part of the machinery for rewarding partisan politicians, or for party purposes. The farmers must not be silent, while their only government favors are rendered worthless to them.

MORE GOVERNMENT BOUNTIES.

The latest law raises the pension payments to beggars—oh, no! to those already in comfortable circumstances—to \$150,000,000 and upwards. This is to be ground out of the farmers.

Remember, too, the soldiers of the revolution 1776, or their descendants are a very few receiving pensions now—thousands of the war of 1812 are still receiving pensions—These hundreds of millions will not be confined to a few years; but none of the readers of today will live to see the end of it, if not repealed.

EXCLUSION OF "LIBRARIES"

FROM 2nd. CLASS POSTAGE.

We sincerely hope the good judgment of our law-makers will prevent the passage of any law which will have this effect. The fact that they can be sent thus cheaply gives employment to a vast army of hard-working men and women, who would be thrown out of work by high postage on this literature.

Besides, this low postage was devised on purpose to spread intelligence and culti-

vate the entire community and these libraries are one of the best instrumentalities to that end. They reach a class which cannot be reached except by this means, and the libraries themselves are of a tone generally which justifies their publication and distribution.

It will be a mistake to deprive publishers the privilege of sending them as 2nd class, and we hope it will not be done.

We want always a cheaper postage. This is the natural tendency of our civilization. Lessen the burden on literature and letters always. It is the only true policy of our government.

CHICKENS IN THE CENTURY.

The article by Bobcock in the Century is not very remarkable to any one who is at all conversant with the literature on that subject; but is interesting as a grouping of the different breeds and the illustrations are exceedingly fine. It makes this May number very desirable for everyone who has a few chickens, or who, not knowing already the many popular varieties, would post himself on the subject.

NEW OPENING FOR CATTLE.

A special from the Agr. Dept., Washington, informs us that very favorable arrangements are perfecting at Newcastle, England, for the cattle trade with the United States. Consul Pugh has taken an active part in these matters and the promise is excellent for future transactions with this country. Those interested may address the Agr. Dept. on the subject.

MISERABLE POSTAL CARDS.

It is the very general complaint that the Postal Cards furnished by the government

are of such miserable quality that ordinary ink spreads upon them as soon as it touches them. They are not fit to be used, and the press should call attention to this subject. Everyone finds fault with them. Is the department so miserably poor that it cannot give the people a decent card upon which to write?

TARIFF ON TIN PLATE.

The imposition of additional tariff on tin plate will be a serious burden upon the canning interests of Maryland. Nearly one half of the canning industry belongs here. Baltimore and Harford County are the principal centres of the canning of our country. We earnestly hope that our representatives in congress will remember this fact and be governed by the manifest wishes of their constituents in their action.

BOOKS OF PETER HENDERSON.

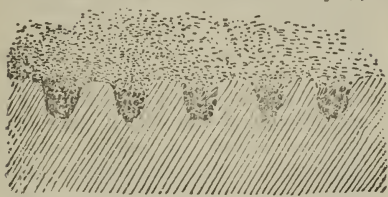
Perhaps no books ever written were more practical than those of the late Peter Henderson. We can supply them to our subscribers post paid as follows:

	Cash.	Premiums for subscribers.
Gardening for Profit	\$2.00	4
Gardening for Pleasure	2.00	4
Practical Floriculture	1.50	3
How the Farm Pays	2.50	5
Garden and Farm Topics	1.00	2
New Hand Book of Plants and General Horticulture issued Feb. 1, 1890.	4.00	8

Daisy Garden Plow }
 Daisy Cultivator } are now at our office.
 Daisy Seed Sower }
 We give them as premiums for subscribers.

SUBSOILING, ETC.

In a gravelly or porous subsoil subsoiling is not needed. Performed in wet subsoil, which is adhesive or clayey, it



CROSS SECTIONS OF FURROWS.

may render it more compact by pressing it together like mortar, and may harden it instead of rendering it looser and lighter, as intended. Or, the subsoiling may be incomplete and inefficient by the narrow furrow which it makes. The common plow which precedes it cuts a furrow a foot wide, and the subsoil plow, as often constructed, hardly six inches; and the result is that the subsoil is only broken into interrupted furrows with the hard, unbroken earth between them, as represented by the cross section, Fig. 1, where the upper and dotted portion is the mellow or broken soil, and the darker part below the unbroken earth.

A remedy for this defective work is to cut the common plow furrows only half a foot wide, which will break up all the hard ridges and reduce the whole bed of mellow soil to a state of fine pulverization. Care should be taken to pulverize perfectly the portion of the earth which the subsoil plow lifts and breaks up, and not merely to make it a line of clods, which would afford little or no aid to the plants with their long extending roots. Fig. 2 in the same cut represents a cross section of the previous furrow of the common plow, with the mass of broken earth in its bottom, which has been lifted in subsoiling, and before the next furrow slice has been thrown upon it. This figure shows also the coarse and cloddy nature of this loosened subsoil when the work has been inefficiently performed or at the wrong time. With all

these chances for subsoiling to be superficially or badly done, it is not surprising that so many farmers have found it of little or no benefit.



HORIZONTAL ROOTS CUT AND BROKEN.

Plowing and harrowing may be worse than useless when the soil is either too wet or too dry. Care ought to be exercised in avoiding these extremes. Reported experiments from some of the experiment stations, which have pronounced frequent cultivation of corn and potatoes a positive injury, were merely giving the results of working in mud, or at best in soil packing hard under a surplus of water. Sometimes the crops have been damaged by cultivating them half a foot deep with the plow, which has torn and cut the horizontal roots, which extend much further from the young plants than the owner who is cutting them is aware.

In the second cut is shown the way in which the horizontal roots have been cut and broken.

Is the Bee a Friend of the Seed Grower?

Dr. Fisher expresses a doubt in *Garden and Forest* whether the bee is at best the enemy or the friend of the seed grower, as he is largely both, for without his work in carrying pollen the fruits of dioecious plants would not be fertilized, and without it, also, his mischief in mixing new varieties with inferior sorts would not be accomplished. It is true that he will give a dose of cucumber flavor to a crop of cantaloupes, if the two sorts of Cucurbitaceæ happen to be planted near neighbors; but, then, he offsets his bad work by producing new varieties which are sometimes of very great value. This work may be better and more wisely done by the horticultural philosopher, who acts designedly by combining size and hardness on the

one side with dencacy and productive-ness on the other. This form of lottery has a few grand prizes, but a far greater number of small ones and blanks; the uncertainty of the drawing adds to the interest of the investment. The farmer oftener than the philosopher offers a new variety which the little bee has helped him to produce the year before, and of which he has known nothing until his eye has discovered the distinguish- ed stranger among his melons, cucum- bers or other ground fruits.

An Item in Butter Making.

The reason for not disturbing milk when the cream is rising is a simple one. The cooling of the milk causes currents to form in the fluid, the final end of which is to deposit the fats at the sur- face. These little channels are of down- ward and then upward movement. If we disturb the pan or can, this newly in- troduced agitation destroys these first perpendicular movements and turns them out of their direct course, and they do not again attain to former directions, but have an aimless course, and so the fats are defeated from perfect rising.

Send us the names of farmers and we will mail documents to them. They should be posted as to the dis- graceful proposals in reference to the Fair at Timonium next September.

At a meeting of the Chautauqua (N. Y.) Horticultural society the following advice was given: 1. Plant in well drained land. 2. Set plants deep. 3. Thorough cultivation. 4. Plow in fall, turning furrow towards the vines as a protection against winter killing. 5. To- tal cost of an acre of grapes up to time of bearing, estimated, \$60 to \$80.

Agricultural News.

The prospects are that California will have a big wheat crop.

Much of the hay grown in California is baled in the fields, many farmers keep- ing baling machines of their own.

The San Francisco Bulletin is authori- ty for the statement that the California beet sugar experiment is a success.

An "elastic steel horse collar" is a re- cent invention attracting the attention of British farmers.

Save the Poultry Feathers.

A Vermont woman who has made poultry pay says: "I save feathers not only from ducks and geese, but from chickens and turkeys. I have two big bags, one for the geese and duck and one for chicken and turkey feathers. When enough feathers have been col- lected to make a pillow or cushion I cut the shape out of bed ticking and stitch closely all around the edges, with the exception of a small opening left at the top in which to put the feathers. Before filling I turn the bag or case inside out and rub what is now the right or out- side of the bag well with common bar soap, then put in the feathers, tie up the hole in the bag and place it with its con- tents in a clothes boiler and boil for a few minutes, moving it about with a stick and lifting it up and down. Finally, I take it out, drain and squeeze out the water as well as I can and hang up in a light, airy place to dry. In a few days the feathers will be light and fluffy and free from any unpleasant odor."

Borrowing Without Consent.

A.—What have they sent you to jail for, comrade?

B.—For borrowing five thalers of an old usurer.

A.—Why, I never heard of a man being locked up for borrowing!

B.—Yes; but I had to knock the fellow down before he would lend them.—Alma- n-que de la Risa.

A TEN DOLLAR POULTRY HOUSE.

As Designed by J. Henry Lee and Illus- trated by American Poultry Journal.

A cheap and at the same time substan- tial poultry house, containing 100 square feet of floor space, can be built for ten dollars by any man or boy of ordinary ingenuity. All the tools needed are a saw, hatchet, square and screw driver. These are usually the property of any householder. The materials used are:

240 feet of 8-foot fencing, at \$14.50.	\$3 43
200 feet of 10-foot flooring (2d quality), \$16	2 96
4 ten-foot boards, 12 in wide, at \$18	72
3 two-by-four scantling, 10 feet long	21
2 bundles lath	30
2 second-hand sashes	1 00
20 pounds tar paper, at 3c.	60
1 pair half-strap hinges	15
Nails, etc., and paint	58

Total.....\$10 00

We take School advertisements at a large discount—Address Maryland Farmer.

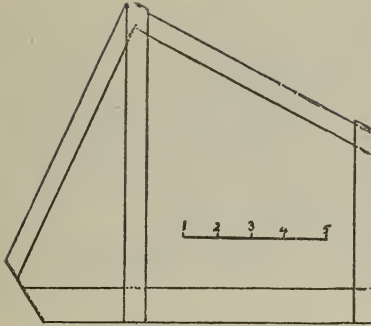


FIG. 1.—SIDE VIEW OF FRAME.

The fencing comes six inches wide, and the flooring about the same width. No posts are used in this plan, and the house is none the less strong. To construct it, first saw twenty of the fencing boards to 6 ft. long for the back of the house, and saw the waste ends of these to 2 ft. long. Rip one of the 12 in. wide boards into two 6 in. boards, one of which is for the base of the back of house, and the other is to be again ripped into two 3 in. strips, upon which nail the 2 ft. fencing pieces, leaving two pieces loose near each end for the doors. This forms the base for the front. The base of the whole house can now be nailed together, using two of the wide boards for the sides.

The front base slants outward (see Fig. 1). The frame is then constructed by erecting a long fencing board at three feet from the front end of each side base and a shorter one at rear end of each, as Fig. 1, which shows these boards trimmed to fit under the roof. These two sets of uprights are then connected by scantling for the roof, under the ends of these scantling fencing boards are nailed.

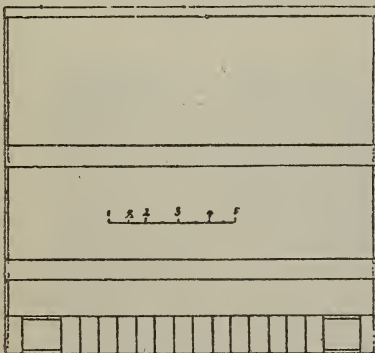


FIG. 2.—FRONT VIEW OF FRAME.

School advertisements in the Maryland Farmer will reach a very desirable class of patrons. Write now.

FARM MACHINERY.

Minard Harder, Horse Powers, Ensilage Cutters, &c. Cobleskill, N. Y.

P. K. Dederick & Co., Hay Presses etc. Albany, N. Y.

A. B. Farquhar & Son, Agricultural Implements. York, Pa.

JOHN F. STRATTON & SON,
43 & 45 Walker St. NEW YORK.



Patent June 7, 87
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SOLO,
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SILVER PLATED.



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MUSICAL MERCHANDISE,
VIOLINS, GUITARS, BANJOS, MANDOLINES,
Accordeons, Harmonicas, &c
All kinds of STRINGS, etc., etc.

Decorative Painting. Manual of self-instruction. Finely Illustrated. This is the fashionable accomplishment at this time. This valuable book and our paper 6 months for 10 cents.

Amateur World, Baltimore, Md.

I CURE FITS!

When I say cure I do not mean merely to stop them for a time and then have them return again. I mean a radical cure. I have made the disease of FITS, EPILEPSY, or FALLING SICKNESS a life-long study. I warrant my remedy to cure the worst cases. Because others have failed is no reason for not now receiving a cure. Send at once for a treatise and a Free Bottle of my infallible remedy. Give Express and Post Office.

M. G. ROOF, M. C., 183 Pearl St., N. Y.

ROOT'S PURGATIVE PILLS cure
all Blood Diseases, Constipation and Biliousness.

Home made Farm Implements, full directions. It is sure to save you many dollars. It is finely illustrated—sent free for 3 cents.

Address Maryland Farmer, Baltimore, Md.

which hold the third scantling in place to support the center of the roof. The top of the longest board is then connected with the front base by a fencing board, and two boards nailed across the front to support the sash. The whole frame is then complete.

Figs. 1 and 2 show the full details of the frame. The boards for back, sides and roof can then be nailed on, flooring boards being used for roof. When the sashes are adjusted in their proper places on the front, with strips of tin above them to turn water, flooring boards are sawn to proper length and fitted on. The ventilator is made with four flooring boards; its lower end is near the floor at center of house.

The remaining twelve inch board is for base of the partition, a narrower board for top and lath nailed on close, divides the house into two compartments for two pens of fowls, or a pen of fowls and room for young chicks, or two rooms for young

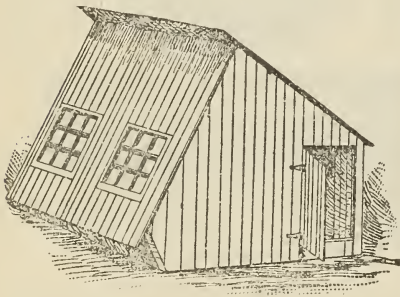
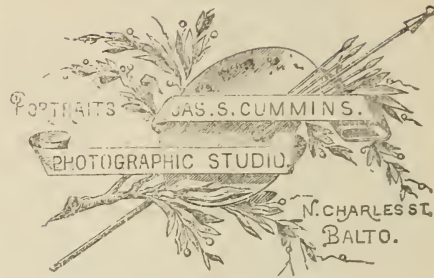


FIG. 3.—POULTRY HOUSE.

chicks of different ages. The cracks on sides and back of house are stripped with lath; the inside of house is lined with tar paper, and the roof and front painted with a cheap mineral paint, which renders the house waterproof as the boards are tongue and grooved. This makes it warm enough for almost any latitude. For the south the strips and tar paper might be dispensed with. The slant of sash is sufficient to shut out the perpendicular rays of the sun in summer and flood the whole floor with warmth in winter.

An outside door and a gate in the partition make the whole house of easy access. The small doors for fowls are made on the trap door principle, and opened and closed by a cord attached to

Setting Machine from New Home Manufactory at very low figures—Address Maryland Farmer.



Number 106

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\$5 Solid Gold Watch
 Worth \$100.00. For \$5
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 SOLID GOLD hunting cases.
 Both ladies' and gent's sizes,
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 equal value. ONE PERSON in
 each locality can secure one
 free, together with our large
 and valuable line of Household
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 need do is to show what we send you to those who call—your
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 in valuable trade for us, which holds for years when once started,
 and thus we are repaid. We pay all express, freight, etc. After
 you know all, if you would like to go to work for us, you can
 earn from \$20 to \$40 per week and upwards. Address,
 Robinson & Co., Box 812, Portland, Maine.

the fastening bolt, which is heavy enough to fall into place when the cord is slackened. Sufficient scrap pieces will be left to make feed, dust and nest boxes, and the inside arrangements can be made to suit the owner. The floor is earth, packed hard and covered with gravel, on top of which, for young chicks, scatter grass.

It will readily be seen this plan can be extended an indefinite length by the addition of three posts every ten feet to support the roof.

Items Here and There.

It is hinted in New York that agents of the French government are looking after supplies of wheat.

The Chicago Tribune says that receipts of wheat at Minneapolis and Duluth were 485 cars less for the first three days of this week than last.

BEEES SWARMING.

Points to Bee Keepers Concerning the Swarming Season—Two Popular Forms of Swarming Apparatus Described, with Directions for Their Application.

That our readers may be quite ready for the swarming season we give in advance some items on swarming and its attendant clustering, along with suggestions about swarming apparatus, from "Gleanings in Bee Culture." Mentioned with other swarm catchers is the one used by A. E. Manum, an experienced apiarian. It has no patent on it and is illustrated in the accompanying cut.

It is simply a wire cloth cage fastened to a pole with two legs, so attached to the pole that they can be set out or in, something like a tripod. The lower end of the pole may be sharpened, to stick in the ground, in order to steady the catcher and to prevent it from being tipped forward by the weight of the bees. The head or cage is 10x10 inches square by $1\frac{1}{4}$ thick, and is covered on each side with wire cloth. It is made in two parts and hinged together, so as to open and close. When closed it is held together by a small hook. One of the parts of the head is fastened to the pole, forming a catcher, as may be imagined by referring to the cut.

The head is made of $\frac{1}{2} \times \frac{1}{4}$ inch stuff, hence is very light. Mr. Manum usually

Practical Low Cost Houses. A Book of Plans &c., 50 cents. Address Maryland Farmer.

GARDEN AND ORCHARD.

We call especial attention to this list of Nurserymen, Seedsmen, Florists, etc. They all issue good Catalogues and will cheerfully send you one free, if you write referring to the Maryland Farmer. We believe every one of them to be reliable.—*Editor Md. Farmer.*

A.W. Livingston's Sons, Specialty, New Tomatoes. Columbus, O.

West Jersey Nursery Co. Choicest New & Standard Fruits. Bridgeton, N. J.

H. S. Anderson, Importer; visits Europe annually to inspect packing &c. Union Sp'gs. N. Y.

Wm. Parry, Nursery Stock; Small Fruits. Grapes, etc. Parry, N. J.

Thos. Meehan & Son, Oaks, Rare Ornamentals, Germantown, Pa.

Z. DeForest Ely & Co. The Popular Seedsmen. Philadelphia, Pa.

P. J. Berckmans, Trees, plants, etc., adapted to the South. Augusta, Ga.

W. M. Peter's Sons, Peach Trees a Specialty. Wesley, Md.

E. B. Richardson & Co. Nurserymen. Salesmen wanted. Geneva, N. Y.

Seed Potatoes, Standard old, choice new varieties. A. F. Whitright, Nova, O.

THE ODELL TYPE WRITER.

\$20 will buy the ODELL TYPE WRITER and CHECK PERFORATOR, with 78 Characters, and \$15 for the Single Case Odell, warranted to do better work than any machine made.

It combines SIMPLICITY with DURABILITY, SPEED, EASE OF OPERATION, wears longer without cost of repairs than any other machine. Has no ink ribbon to bother the operator. It is NEAT, SUBSTANTIAL, nickel plated, perfect and adapted to all kinds of type writing. Like a printing press, it produces sharp, clean, legible manuscripts. Two to ten copies can be made at one writing. Any intelligent person can become a good operator in two days. We offer \$1,000 to any operator who can equal the work of the Double Case Odell.

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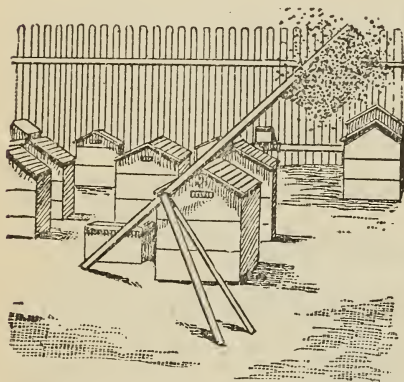
For Pamphlet giving Indorsements, &c., address

HOFFHEIMER & FISH, Gen'l Mgr's.,

Temple Court Bld'g., NEW YORK CITY.

furnishes eight or ten of these catches to each of his apiaries. If two or more swarms issue at one time he proceeds to catch the bees and queens, using a catcher for each swarm, and, as is usually the case when more than one swarm issues at one time, they will mingle and cluster together. In such case he sets the catchers near together and awaits the results. If more bees settle on one catcher than on the others, he shakes them off from this one, and on rising they will almost always divide up equally, each swarm clustering around its queen.

The corn popper catcher is thus described by one who used it:




AN UNPATENTED SWARMING APPARATUS.

"The lid of the popper was thrown back, and the popper itself was crowded up gently against the lower end of the cluster. The bees very soon rolled over each other until the popper was level full of them. The wire cloth top was thrown over and snapped shut. We did not know whether we had secured the queen or not. It did not matter much, for half or two-thirds of the cluster was confined in the popper, and the queen, if outside, together with the remaining bees, would cluster around their captive comrades. We thrust the handle down into the soft dirt near where the bees were flying quite thick, and the popper was thus supported a couple of feet from the ground, where the bees could get at them. We then left them for an hour or so. When we returned all the outside bees were clustered around the popper. They were now in such shape that we could carry them were we pleased and hive them

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22 Dederick's Works, - - ALBANY, N. Y.

I Dare Thee to Forget. The most popular Song published.
Words and Music. Price 35 cents. Send 10c for one copy. DeZ. Walworth, Box 496, Baltimore, Md.



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POMONA NURSERIES.
WONDERFUL PEACH.
Lawson, Kieffer, LeConte and Idaho. Japan and NATIVE Plums, Apples, Cherries, Peaches and Nut Bearing Trees, Strawberries, Raspberries, Blackberries and Grapes in large supply. All the worthy old and promising new fruits.
WM. PARRY, Parry, N. J.

Catalogue free.

Imported Cleveland Bay Stallion.

POST CAPTAIN.

PEDIGREE.

Sire, Sportsman 299; g. sire, Brilliant 42; g. g. sire, Yatton Lad 314; g. g. g. sire, Wonderful Lad 69; g. g. g. sire, Cleveland 60; g. g. g. g. sire, Champion 50; g. g. g. g. g. sire, Summercock 304; g. g. g. g. g. g. sire, Sky Rocket 280. Dam's sire, Barnaby 18; g. sire, King George 161; g. g. sire, Victory 157; g. g. g. sire, Volunteer 338; g. g. g. g. sire, Victory 438; g. g. g. g. g. sire, Barley Harvest 447. (The above pedigree is from the Cleveland Bay Stud Book of England.)

DESCRIPTION.

Post Captain is a beautiful golden bay in color, 16½ hands high, weighs 1350 lbs and is just 5 years old. He is a high stepper, with beautiful action, and promises great speed shows already without training less than a 4 minute gait. The progress of this famous breed are all bays in color, well matched, and is the gentleman's carriage horse in England—No trouble to get matches which command high prices. He has only to be seen to be admired—His symmetry is magnificent, and is a sure foal getter. Terms \$25.00 the season, with the privilege to return mares during fall season should they not prove in foal. Mares from a distance to be paid for when taken away—will care for mares at a cost of \$2.00 a week, shipment of course at expense of owners of mares, write to

E. C. LECC & BRO.,
Kent Island, Md.

where we pleased, which we did with entire success."

In concluding the article gleaned from, the editor presents two ideas: First, if the queens are not clipped, the queen herself will usually be found on the outside of the cluster or near the bottom end. If, therefore, the corn popper cage or other receptacle be pushed gently against the lower end of the swarm, you are likely to secure not only the larger portion of the bees, but the queen also; and in this event your swarming is practically done. The other idea is this: After these wire cloth cages, such as the corn popper and Manum's arrangement, have been used a few times for catching swarms, they will acquire the scent of the laying queen and of former swarms. The catcher will, in consequence, be more readily accepted for clustering by succeeding swarms. In time these cages will have little bits of wax adhering to them, and these, also, form no small part of the attraction.

The White or Ox Eye Daisy.

The ox eye daisy is usually spread in grass seed, and whenever it appears, if not too numerous, every white blossom should be pulled out and destroyed before it ripens its seed. Another plan is to mow the grass early, before the daisy matures its seed.

On meadows of high fertility the grass and clover will keep the weed down, so as to render the task of exterminating it comparatively easy. Where the land is thinly clothed with grass and the daisy abundant a fallow or hoed crop will be required. In pastures the close grazing of sheep will keep it down. To prevent its introduction care must be used in buying pure seed, and neither hay that contains the weed nor animals that have eaten hay infected with it should be brought on the farm.

Department of Agriculture.

The seed division is the primary division of the department of agriculture. By act of congress, March 3, 1889, an appropriation of \$1,000 was taken from the patent office fund "for the purpose of collecting and distributing seeds, prosecuting agricultural investigations and procuring agricultural statistics. By this act the agricultural division of the patent office was created. In 1862 the separate department of agriculture was established.

Ropps' Calculator—Grain Tables, Lumber Tables, and all kinds of calculations. A book you need. 50 cents.

STOCK THE FARM.

Address any of this list of Breeders and Dealers and you will find a prompt answer if you mention the Maryland Farmer. We believe every one of them to be reliable.
—Editor Md. Farmer.

Reid Brothers, English Shires, Clydesdales, Shetland Ponies, Janesville, Wis.

Geo. F. Davis & Co. Originators Victoria Swine, Stock for sale. Dyer, Ind.

E. H. Smith, Standard bred Horses, Fancy Pigs and Poultry. Salem, N. J.

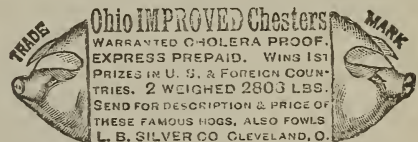
J. C. & D. Pennington. Registered Jersey Cattle. Paterson, N. J.

W. E. Pendleton, Choice Yorkshire Swine. Agt. New London, Conn.



Dairyman's Account Book FREE.

The Dairyman's Account Book is the most practical thing of the kind ever seen. It gives ruled pages for daily record of milk yield, butter made, and sales, for 12 months; convenient size, nicely printed and bound. Wells, Richardson & Co., Burlington, Vt., manufacturers of the celebrated Improved Butter Color, the purest, strongest, and brightest color made, will send a copy free to any butter maker who writes enclosing stamp. Also sample of their Butter Color to those who have never used it, and a pretty birthday card for the baby, if you ask.



Ohio Improved Chesters
WARRANTED CHOLERA PROOF.
EXPRESS PREPAID. WING 1ST
PRIZES IN U. S. & FOREIGN COUNTRIES. 2 WEIGHED 2803 LBS.
SEND FOR DESCRIPTION & PRICE OF THESE FAMOUS HOGS, ALSO FOWLS
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(This Company sold 973 head for breeding purposes in 1887.
Send for facts and mention this paper.)

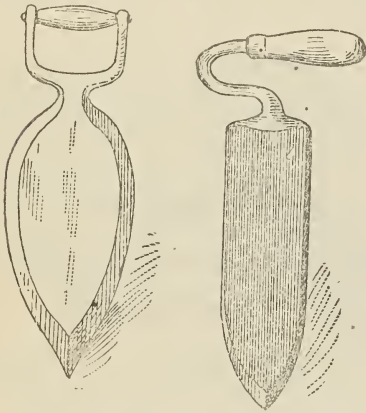


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STAR MFG. CO. NEW LEXINGTON, O.

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Two Styles of Planting Dibbers Illustrated That Show an Improvement Over the Clumsy Affairs Generally Employed.

Generally speaking, the dibbers in popular use are yet the same clumsy affairs which have done service in the gardens for generations. These old tools are by no means perfect, hence we take pleasure in reproducing from Popular Gardening something better and more convenient.

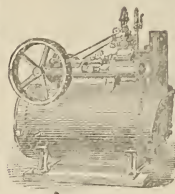


A FLAT DIBBER—IMPROVED DIBBER.

The two styles illustrated, while apparently made by some manufacturer, have neither been patented nor energetically pushed to the front. The authority quoted gives preference to the flat, heart shaped pattern, with a handle similar to that of a spade. The blades are of steel, and greatly superior to the wooden or iron pointed tools in common use. These latter are as inferior to a polished steel dibber as a wooden plow is to a steel plow. Three times the number of plants can be put into the ground with the newer device, and they will be planted out much firmer. Any blacksmith can make the tool, and once tried it will be highly prized.

Mr. William K. Harris, a Philadelphia florist, recommends for the six best varieties of winter blooming azaleas Duha Pearl, double white; Albert Indica, pure white, Mad Van Der Cruyssen, very finely colored; Mad. Cam Van Langdenhove, semi-double striped; Siegmán Ruckner, flesh color; Cerise, single striped.

We send any Book you may want free by mail on receipt of publisher's price.



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With Self-Contained
RETURN FLUE BOILERS,
FOR DRIVING
COTTON GINS AND MILLS.
Illustrated Pamphlet Free. Address
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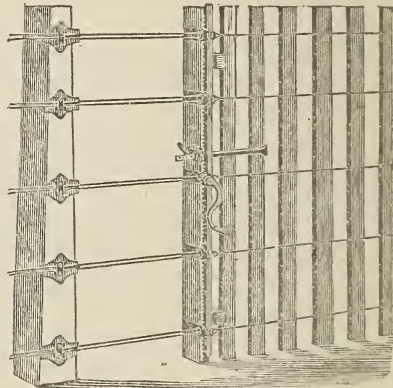
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You can have them now for \$1.00 each.

Maryland Farmer Office.

FARMERS Saw and Grist Mill, 1 H. P. and larger. Catalogue free. DeLOACH MILL CO., Atlanta, Ga.

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\$20 Picket & Wire Fence Machine for \$10 where I have no agents. Guaranteed. Hundreds in use. Freight paid. Wire and other fencing material at wholesale to my customers for machines. Circulars free. Address, S. H. GARRETT, Mansfield, O.



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THE WEBER PIANOS.

A great artist recently said: "The WEBER PIANO suits every bone and nerve in my body." Musicians sake to them "as a duck takes to water."

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Coming right up to the front. Beautiful tone, splendid workmanship, new repeating action.

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MONUMENTS, FURNITURE, SLABS,

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**HOUSE, BARN, FLOOR,
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CREOSOTE OIL
BEST PREVENTIVE
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Three-Ply Roofing,

HEAP AND EASY TO APPLY.

FELT, PITCH, TAR, &c.,

Carbolic Acid and Carbolate of Lime, the Best Disinfectants in Use.

BLACK GLOSS VARNISH, the Best and Cheapest Paint for Preserving Wood or Metal.
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& PLANTS**

FLORAL GUIDE FOR 1890, the Pioneer Seed Catalogue of America, contains complete list of Vegetables, Flowers, Bulbs, Potatoes and Small Fruits, with descriptions and prices. Same shape and style as proved so satisfactory last year. Many new and elegant illustrations handsome colored plate 8x10 1/2 inches, and frontispiece. **Special Cash Prizes \$1000.00; see Floral Guide.** Every person who owns a foot of land or cultivates a plant should have a copy. Mailed on receipt of 10 cents, which amount may be deducted from first order. **ABRIDGED CATALOGUE FREE.**

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